Model Performance

Model	Data

Weighted KNN model

5-fold CV (75%)		Training (75%)		Test (25%)	
Q2	RMSE	R2	RMSE	R2	RMSE
0.81	0.55	0.81	0.54	0.71	0.61

Model Results

Predicted value: 1100 L/kg

Global applicability domain: Inside

Local applicability domain index: 5.63e-01

Confidence level: 6.53e-01

Nearest Neighbors from the Training Set

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Parathion
Measured: 1580
Predicted: 1100

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Fensulfothion
Measured: 331
Predicted: 274

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Fenthion
Measured: 1510
Predicted: 1170

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Chlorpyrifos
Measured: 5010
Predicted: 826

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Fenitrothion
Measured: 427
Predicted: 719